

FC5R/DN-1212-1F

fork sensors



Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	120mm
minimum detectable object	0,8mm
Si	Yes
Sensitivity adjustment	No

Outputs

Output type	NPN
Output Function	DO
Switching frequency	4kHz

Electrical data

Operating Voltage	12...24Vdc
No-Load supply current	≤ 20mA
Load current	100mA
Output voltage drop	≤ 1,5V @ IL =100 mA
Max ripple content	≤ 10%
Time delay before availability	150ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Red LED, modulated

Interference to external light

5000lux (incandescent lamp), 10000lux (sunlight)

Mechanical data

Dimensions Width slot detection 120mm - Depth slot detection 124.3mm

Weight 141g

Housing Material Painted aluminium

Connections M8 plug 3 pin

Active Head Material Polyamide/glass

Operating temperature - 10°C...+ 60°C

Storage temperature - 40°C...+ 80°C

Width slot detection 120mm

Depth slot detection 120mm

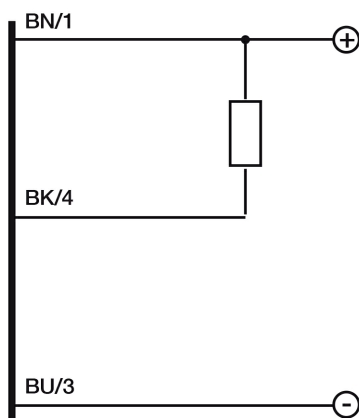
Test/Approvals

Approvals CE UL

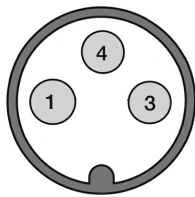
EMC compatibility EN 60947-5-2

Degree of protection IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



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